



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶: C07C 233/20, 233/38, C08F 220/56, 246/00	A1	(11) International Publication Number: WO 98/01419 (43) International Publication Date: 15 January 1998 (15.01.98)
(21) International Application Number: PCT/AU97/00437 (22) International Filing Date: 10 July 1997 (10.07.97) (30) Priority Data: PO 0932 10 July 1996 (10.07.96) AU (71) Applicant (for all designated States except US): THE UNIVERSITY OF MELBOURNE [AU/AU]; Royal Parade, Parkville, VIC 3052 (AU). (72) Inventors; and (75) Inventors/Applicants (for US only): SOLOMON, David, Henry [AU/AU]; 95 Watson Road, Officer, VIC 3809 (AU). CHAN, Grace [AU/AU]; 38/201 Waterloo Road, Marsfield, NSW 2122 (AU). KAMBOURIS, Peter, Agapitos [AU/AU]; 68 Woodhouse Grove, Box Hill North, VIC 3129 (AU). LOONEY, Mark, Graham [AU/AU]; 81 Union Street, Brunswick, VIC 3056 (AU). (74) Agent: F.B. RICE & CO.; 28A Montague Street, Balmain, NSW 2041 (AU).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>

(54) Title: ELECTROPHORESIS GELS AND CROSS-LINKING AGENTS FOR THEIR PREPARATION**(57) Abstract**

This invention relates to the separation of molecules on polymer gels, in particular to novel cross-linked polymer gels comprising the cross-linking moiety of formula (1) and their preparation, the separation of molecules by techniques such as electrophoresis using these gels, novel

cross-linking agents useful in the preparation of the gels, and novel intermediates useful in the synthesis of the cross-linking agents. The invention is especially suitable for electrophoretic applications.

